REMARKS

Claims 1-13, 16, 18-20, 25, 29 and 31 are pending.
Claims 1-10 and 14-33 are cancelled.

Claims Objections

Claims 1, 25 and 29 are objected to. This objection is moot in light of cancellation of claims 1, 25 and 29.

35 USC 102(b)

Claims 1 and 5 are rejected under 35 USC 102(b) as being anticpate by Leemans, EP0268705.
Claims 16, 20 and 25 are rejected under 35 USC 102(b) as being anticipated by Nyssen, WO00/60015.
Claims 16, 20, 29 and 31 are rejected under 35 USC 102(b) as being anticipated by Chu, US 5,231,131.

All of the above rejected claims are cancelled. Thus these rejections are now moot.

Claims 1-4 and 6-13 are rejected under 35 USC 102(b) as being anticipated by Cline, US 3,090,664.

Claims 1-4 and 6-10 are cancelled thus the rejection in regard to these claims is moot.

The applicant preserves the right to file a continuation to recover the cancelled subject matter.

The only remaining rejection may be found on page 5 of the Office Action regarding claims 11-13.

Only Cline, US 3090664 is cited against the method claims.

The examiner considers that Cline inherently discloses a surfactant on the basis that acrylic acid is grafted onto a substrate of specifically nylon-6 and nylon-66. Examiner refers to col. 3, l. 42-52 of US

58305465 as evidence that nylon-6 and nylon-66 is hydrophilic and paragraph [0256] of US 2007/0191226 that polyacrylaic acid is hydrophobic.

Firstly although US 5830546 refers to **the majority of** {emphasis added} polyamides as hydrophilic and although nylon-6 and 66 are polyamides this document describes polyamides which are very different from either of nylon-6 or 66 and does not specifically state that either of nylon-6 or 66 are hydrophilic. From this it cannot be concluded that these materials are hydrophilic.

In the webpage for "answers.com technology", http://www.answers.com/Nylon+?cat=technology it can be seen that in the properties neither of these materials are described as hydrophilic but instead are described as durable solids which exhibit high melting temperatures of between 190° and 350°C.

Secondly although the paragraph [256] of US 2007/0191226 includes the term polyacrylic acid and at the end of the list uses the phrase, "hydrophobic polymer latices" this is not conclusive proof that polyacrylic acid is hydrophobic; on the contrary polyacrylic acid is water-soluble and therefore hydrophilic. It can be seen in the same paragraph that sodium polyacrylate is listed as a water-soluble polymer as are several other acrylic acid polymers.

In the webpage for "answers.com technology", http://www.answers.com/topic/polyacrylic-acid?cat=technology it can be seen that polyacrylic acid is described as water-soluble.

Surfactants are also known as surface active agents and are materials known to locate at the interface of two phases, for example liquid-liquid or liquid-solid. Therefore surfactants by definition must be materials that are sufficiently mobile such that they will perform this function.

Cline et al describes shaped nitrogen-containing polymer structures with improved static resistance and hole melting resistance properties (see opening paragraph of column 1). Throughout Cline et al the graft polymers are prepared as solid structures. This is not surprising since the substrate is based on the high melting point nylon-6 and 66 solid materials. There is nothing in Cline et al to suggest that the thus formed graft polymers would in any way be suitable as surfactants. Furthermore, the applicant does not believe that any surfactants are known based on either of nylon-6 or 66 and indeed the Examiner has not provided any evidence to support such a contention.

The polymers of Cline et al are not surfactants and therefore do not deprive claim 11 of novelty.

Furthermore, there is nothing in Cline et al that would motivate the skilled person to prepare a polymeric surfactant using the polymeric or oligomeric substrate and monomer and a type II photoinitiator. Therefore Cline et al does not render the method of claim 11 obvious.

Reconsideration and withdrawal of the rejection of claims 11-13 is respectfully solicited in light of the remarks *supra*.

Since there are no other grounds of objection or rejection, passage of this application to issue with claims 11-13 is earnestly solicited.

Applicants submit that the present application is in condition for allowance. In the event that minor amendments will further prosecution, Applicants request that the examiner contact the undersigned representative.

Respectfully submitted,

Shiela A. Loggins

Ciba Specialty Chemicals Corporation
540 White Plains Road
Tarrytown, New York 10591
(914) 785-2768

Shiela A. Loggins
Agent for Applicants
Reg. No. 56,221

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Enclosure: Petition for one (1) month extension of time.